PCT/GB03/01213

### SEQUENCE LISTING

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<110> Braun, Ralph P.
      Thomsen, Lindy
      Van-Wely, Catherine
      Ertl, Peter
<120> Adjuvant
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<223> HBsAg in BALB/C mice
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<223> HSV CD8 in BALB/C mice
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cttgaacggt ttgccgtgaa cccaggcctg ctggaaacat ctgagggatg tcgccagatc 180
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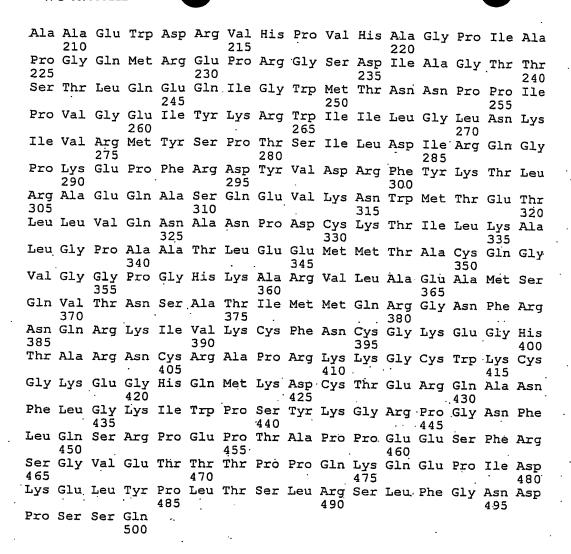
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<223> amino acid sequence of p55 gag insert in pGagOptrpr2

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<211> 1515
<212> DNA
<213> Artificial Sequence
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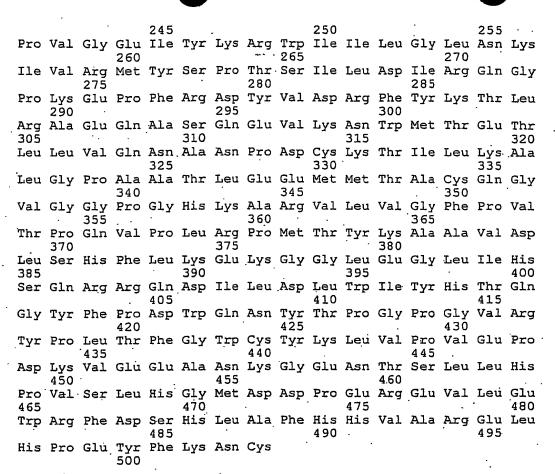
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agettgttac accetgtgag cetgeatggg atggatgace eggagagaga agtgttagag 1440
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<211> 504
<212> PRT
<213> Artificial Sequence
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<223> amino acid sequence of the p17/24trNEF insert in p17/24trNEF1

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<210> 7
<211> 1518
<212> DNA
<213> Artificial Sequence
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<220>
<223> nucleotide sequence of the p17/24opt/trNef insert
 in p17/24opt/trNef1

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                                25
His Ile Val Trp Ala Ser Arg Glu Leu Glu Arg Phe Ala Val Asn Pro
                            40
Gly Leu Leu Glu Thr Ser Glu Gly Cys Arg Gln Ile Leu Gly Gln Leu
Gln Pro Ser Leu Gln Thr Gly Ser Glu Glu Leu Arg Ser Leu Tyr Asn
                                        75
                    70
Thr Val Ala Thr Leu Tyr Cys Val His Gln Arg Ile Glu Ile Lys Asp
                                   . 90
                                                         95 .
Thr Lys Glu Ala Leu Asp Lys Ile Glu Glu Glu Gln Asn Lys Ser Lys
                                                     110
                                105
Lys Lys Ala Gln Gln Ala Ala Ala Asp Thr Gly His Ser Asn Gln Val
                            120
        115
Ser Gln Asn Tyr Pro Ile Val Gln Asn Ile Gln Gly Gln Met Val His
                                           . 140
                        135
Gln Ala Ile Ser Pro Arg Thr Leu Asn Ala Trp Val Lys Val Val Glu
                                        155
                    150
Glu Lys Ala Phe Ser Pro Glu Val Ile Pro Met Phe Ser Ala Leu Ser
                                    170
                                                         ·175
Glu Gly Ala Thr Pro Gln Asp Leu Asn Thr Met Leu Asn Thr Val Gly
                                                    -190
                                185
Gly His Gln Ala Ala Met Gln Met Leu Lys Glu Thr Ile Asn Glu Glu
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                             200
        195
Ala Ala Glu Trp Asp Arg Val His Pro Val His Ala Gly Pro Ile Ala
                                            220
                        215
Pro Gly Gln Met Arg Glu Pro Arg Gly Ser Asp Ile Ala Gly Thr Thr
                                         235.
                                                             240
                    230
Ser Thr Leu Gln Glu Gln Ile Gly Trp Met Thr Asn Asn Pro Pro Ile
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                                    250
                245
Pro Val Gly Glu Ile Tyr Lys Arg Trp Ile Ile Leu Gly Leu Asn Lys
                                265
Ile Val Arg Met Tyr Ser Pro Thr Ser Ile Leu Asp Ile Arg Gln Gly
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Val Gly Gly Pro Gly His Lys Ala Arg Val Leu Met Val Gly Phe Pro
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Val Thr Pro Gln Val Pro Leu Arg Pro Met Thr Tyr Lys Ala Ala Val
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Asp Leu Ser His Phe Leu Lys Glu Lys Gly Gly Leu Glu Gly Leu Ile
385
                     390
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His Ser Gln Arg Arg Gln Asp Ile Leu Asp Leu Trp Ile Tyr His Thr
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Gln Gly Tyr Phe Pro Asp Trp Gln Asn Tyr Thr Pro Gly Pro Gly Val
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Arg Tyr Pro Leu Thr Phe Gly Trp Cys Tyr Lys Leu Val Pro Val Glu
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        435
                                                  445
Pro Asp Lys Val Glu Glu Ala Asn Lys Gly Glu Asn Thr Ser Leu Leu
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                         455
His Pro Val Ser Leu His Gly Met Asp Asp Pro Glu Arg Glu Val Leu
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                                         475
Glu Trp Arg Phe Asp Ser His Leu Ala Phe His His Val Ala Arg Glu
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                                     490
Leu His Pro Glu Tyr Phe Lys Asn Cys
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<212> DNA
<213> Artificial Sequence
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<220> <223> nucleotide sequence of RT insert of p7077-RT3

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tccatcgtga tctgggggaa gacacccaag ttcaagctgc ctatccagaa ggagacctgg 1200
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Ile Lys Ala Leu Val Glu Ile Cys Thr Glu Met Glu Lys Glu Gly Lys
                            40
Ile Ser Lys Ile Gly Pro Glu Asn Pro Tyr Asn Thr Pro Val Phe Ala
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Ile Lys Lys Lys Asp Ser Thr Lys Trp Arg Lys Leu Val Asp Phe Arg
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Glu Leu Asn Lys Arg Thr Gln Asp Phe Trp Glu Val Gln Leu Gly Ile
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Pro His Pro Ala Gly Leu Lys Lys Lys Ser Val Thr Val Leu Asp
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Val Gly Asp Ala Tyr Phe Ser Val Pro Leu Asp Glu Asp Phe Arg Lys
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Tyr Thr Ala Phe Thr Ile Pro Ser Ile Asn Asn Glu Thr Pro Gly Ile
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Arg Tyr Gln Tyr Asn Val Leu Pro Gln Gly Trp Lys Gly Ser Pro Ala
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                                                             160
                    150
Ile Phe Gln Ser Ser Met Thr Lys Ile Leu Glu Pro Phe Arg Lys Gln
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                                     170
                165
Asn Pro Asp Ile Val Ile Tyr Gln Tyr Met Asp Asp Leu Tyr Val Gly
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                                 185
            180
Ser Asp Leu Glu Ile Gly Gln His Arg Thr Lys Ile Glu Glu Leu Arg
                            200
        195
Gln His Leu Leu Arg Trp Gly Leu Thr Thr Pro Asp Lys Lys His Gln
                        215
                                             220
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Lys Glu Pro Pro Phe Leu Trp Met Gly Tyr Glu Leu His Pro Asp Lys
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                                                             240
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Trp Thr Val Gln Pro Ile Val Leu Pro Glu Lys Asp Ser Trp Thr Val
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Tyr Pro Gly Ile Lys Val Arg Gln Leu Cys Lys Leu Leu Arg Gly Thr
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                                                 285
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Leu Ala Glu Asn Arg Glu Ile Leu Lys Glu Pro Val His Gly Val Tyr
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                     310
305
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### WO 03/080112



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Lys Glu Pro Ile Val Gly Ala Glu Thr Phe Tyr Val Asp Gly Ala Ala
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 Asp Gln Ser Glu Ser Glu Leu Val Asn Gln Ile Ile Glu Gln Leu Ile
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                                                  525
         515
 Lys Lys Glu Lys Val Tyr Leu Ala Trp Val Pro Ala His Lys Gly Ile
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     530
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 Val Leu
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<211> 1689
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Ser Lys Ile Gly Pro Glu Asn Pro Tyr Asn Thr Pro Val Phe Ala Ile
                         55
                                             · 60·
Lys Lys Lys Asp Ser Thr Lys Trp Arg Lys Leu Val Asp Phe Arg Glu
                                          75
                     70
Leu Asn Lys Arg Thr Gln Asp Phe Trp Glu Val Gln Leu Gly Ile Pro
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                                  105
             100
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Thr Ala Phe Thr Ile Pro Ser Ile Asn Asn Glu Thr Pro Gly Ile Arg
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-•	450		Lys			455				•	460				
165	-			•	470		•			475					Leu 480
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